0590
0913

#10

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/940,727B

DATE: 09/12/2002
TIME: 15:29:16

Input Set : A:\51400B.ST25.txt
Output Set: N:\CRF4\09122002\I940727B.raw

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 5 <110> APPLICANT: Landry, Donald W
 9 <120> TITLE OF INVENTION: ANTI-COCAINE CATALYTIC ANTIBODY
13 <130> FILE REFERENCE: 0575/51400-B
17 <140> CURRENT APPLICATION NUMBER: 09/940,727B
C--> 19 <141> CURRENT FILING DATE: 2002-09-04
23 <150> PRIOR APPLICATION NUMBER: 09/214,095
25 <151> PRIOR FILING DATE: 1998-12-28
29 <150> PRIOR APPLICATION NUMBER: PCT/US97/10965
31 <151> PRIOR FILING DATE: 1997-06-25
35 <150> PRIOR APPLICATION NUMBER: 08/672,345
37 <151> PRIOR FILING DATE: 1996-06-25
41 <160> NUMBER OF SEQ ID NOS: 121
45 <170> SOFTWARE: PatentIn version 3.1
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51 <211> LENGTH: 109
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55 <213> ORGANISM: mouse
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65 Val Thr Leu Thr Cys Arg Ser Ser Thr Gly Thr Ile Thr Thr Ser Asn
66              20                  25                  30
69 Tyr Ala Asn Trp Val Gln Glu Lys Pro Asp His Leu Phe Ser Gly Leu
70          35                  40                  45
73 Ile Gly Ile Asn Asn Asn Arg Pro Pro Gly Val Pro Ala Arg Phe Ser
74       50                  55                  60
77 Gly Ser Leu Ile Gly Asp Lys Ala Val Leu Thr Ile Thr Gly Ala Gln
78 65                  70                  75                  80
81 Thr Glu Asp Glu Ala Ile Tyr Phe Cys Ala Leu Trp Tyr Ser Asn His
82                  85                  90                  95
85 Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
86                  100                 105
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91 <211> LENGTH: 109
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95 <213> ORGANISM: mouse
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105 Val Thr Leu Thr Cys Arg Ser Ser Ala Gly Thr Ile Thr Thr Ser Asn
106              20                  25                  30
109 Tyr Ala Asn Trp Val Gln Glu Lys Pro Asp His Leu Phe Ser Gly Leu
110          35                  40                  45
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ENTERED

P6

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114     50              55              60
117 Gly Ser Leu Ile Gly Asp Thr Ala Ala Leu Thr Ile Thr Gly Ala Gln
118 65              70              75              80
121 Thr Glu Asp Glu Ala Ile Tyr Phe Cys Ala Leu Trp Tyr Ser Asn His
122             85              90              95
125 Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
126             100             105
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145 Val Thr Leu Thr Cys Arg Ser Ser Thr Gly Thr Ile Thr Ser Asp Asn
146             20              25              30
149 Tyr Ala Asn Trp Val Gln Glu Lys Pro Asp His Leu Phe Ser Gly Leu
150             35              40              45
153 Ile Gly Val Asn Asn Tyr Arg Pro Pro Gly Val Pro Ala Arg Phe Ser
154     50              55              60
157 Gly Ser Leu Thr Gly Asp Lys Ala Val Leu Thr Ile Thr Gly Ala Gln
158 65              70              75              80
161 Thr Glu Asp Glu Ala Ile Tyr Phe Cys Ala Leu Trp Tyr Ser Asn His
162             85              90              95
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166             100             105
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186             20              25              30
189 Leu Phe Thr Gly Leu Ile Gly Val Ser Asn Asn Arg Gly Pro Gly Val
190             35              40              45
193 Pro Ala Arg Phe Ser Gly Ser Leu Ile Gly Asp Lys Ala Val Leu Thr
194     50              55              60
197 Ile Thr Gly Gly Gln Thr Glu Asp Glu Ala Ile Tyr Phe Cys Ala Leu
198 65              70              75              80
201 Trp Asn Ser Asn His Phe Val Phe Gly Gly Gly Thr Lys Leu Thr Val
202             85              90              95
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229 Asp Gly Lys Thr Tyr Leu Asn Trp Phe Leu Gln Arg Pro Gly Arg Ser
230             35                  40                  45
233 Pro Gln Leu Leu Ile Tyr Leu Met Ser Thr Arg Ser Ser Gly Val Ser
234         50                  55                  60
237 Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Glu Ile
238 65                  70                  75                  80
241 Ser Arg Val Lys Ala Glu Asp Val Gly Val Tyr Tyr Cys Gln His Phe
242             85                  90                  95
245 Val Asp Tyr Pro Phe Thr Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys
246             100                 105                 110
249 Arg
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257 <212> TYPE: PRT
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269 Glu Ser Val Ser Ile Ser Cys Arg Ser Ser Arg Ser Leu Leu Tyr Arg
270             20                  25                  30
273 Asp Gly Lys Thr Tyr Leu Asn Trp Phe Leu Gln Arg Pro Gly Arg Ser
274             35                  40                  45
277 Pro Gln Leu Leu Ile Tyr Leu Met Ser Thr Arg Ala Ser Gly Val Ser
278         50                  55                  60
281 Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Glu Ile
282 65                  70                  75                  80
285 Ser Arg Val Lys Ala Glu Asp Val Gly Val Tyr Tyr Cys Gln His Phe
286             85                  90                  95
289 Glu Asp Tyr Pro Phe Thr Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys
290             100                 105                 110
293 Arg
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299 <211> LENGTH: 113
301 <212> TYPE: PRT
303 <213> ORGANISM: mouse
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314             20                  25                  30
317 Asp Gly Lys Thr Tyr Leu Asn Trp Phe Leu Gln Arg Pro Gly Arg Ser
318             35                  40                  45
321 Pro Gln Leu Leu Ile Tyr Leu Met Ser Thr Arg Ala Ser Gly Val Ser
322         50                  55                  60
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325 Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Glu Ile
326 65              70              75              80
329 Ser Arg Val Lys Ala Glu Asp Val Gly Val Tyr Tyr Cys Gln His Phe
330             85              90              95
333 Val Asp Tyr Pro Phe Thr Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys
334             100             105             110
337 Arg
341 <210> SEQ ID NO: 8
343 <211> LENGTH: 113
345 <212> TYPE: PRT
347 <213> ORGANISM: mouse
351 <400> SEQUENCE: 8
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354 1               5               10              15
357 Glu Ser Val Ser Ile Ser Cys Arg Ser Ser Lys Ser Leu Leu Tyr Glu
358             20              25              30
361 Asp Gly Lys Thr Tyr Leu Asn Trp Phe Leu Gln Arg Pro Gly Gln Ser
362             35              40              45
365 Pro His Leu Leu Ile Tyr Leu Met Ser Thr Arg Ala Ser Gly Val Ser
366     50              55              60
369 Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Glu Ile
370 65              70              75              80
373 Ser Arg Val Lys Ala Glu Asp Val Gly Ala Tyr Tyr Cys Gln Gln Phe
374             85              90              95
377 Val Glu Tyr Pro Phe Thr Phe Gly Ser Gly Thr Lys Leu Glu Ile Arg
378             100             105             110
381 Arg
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387 <211> LENGTH: 114
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398 1               5               10              15
401 Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Leu Tyr Ser
402             20              25              30
405 Asp Gly Lys Thr Tyr Leu Asn Trp Phe Phe Gln Arg Pro Gly Gln Ser
406             35              40              45
409 Pro Lys Arg Leu Ile Tyr Leu Val Ser Lys Leu Asp Ser Gly Val Pro
410     50              55              60
413 Asp Arg Phe Thr Gly Ser Gly Ser Gly Lys Asp Phe Thr Leu Lys Glu
414 65              70              75              80
417 Ile Ser Arg Val Glu Ala Glu Asp Leu Gly Leu Tyr Tyr Cys Val Gln
418             85              90              95
421 Gly Tyr Thr Phe Pro Leu Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu
422             100             105             110
425 Lys Arg
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431 <211> LENGTH: 117
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435 <213> ORGANISM: mouse
439 <400> SEQUENCE: 10
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445 Ser Leu Ser Leu Thr Cys Thr Val Thr Gly Asn Ser Ile Thr Ser Asp
446             20                  25                  30
449 Tyr Ala Trp Thr Trp Ile Arg Gln Phe Pro Gly Asn Lys Leu Glu Trp
450         35                  40                  45
453 Met Gly Tyr Ile Arg His Ile Tyr Gly Thr Arg Tyr Asn Pro Ser Leu
454     50                  55                  60
457 Ile Ser Arg Ile Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln Phe Phe
458 65                  70                  75                  80
461 Leu Gln Leu Asp Ser Val Thr Ala Glu Asp Thr Ala Thr Tyr Tyr Cys
462             85                  90                  95
465 Val Arg Tyr His Tyr Tyr Gly Ser Ala Tyr Trp Gly Gln Gly Thr Leu
466             100                 105                 110
469 Val Thr Val Ser Ala
470         115
473 <210> SEQ ID NO: 11
475 <211> LENGTH: 117
477 <212> TYPE: PRT
479 <213> ORGANISM: mouse
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486 1               5                   10                  15
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490             20                  25                  30
493 Tyr Ala Trp Thr Trp Ile Arg Gln Phe Pro Gly Asn Lys Leu Glu Trp
494         35                  40                  45
497 Met Gly Tyr Ile Arg His Ile Tyr Gly Thr Arg Tyr Asn Pro Ser Leu
498     50                  55                  60
501 Ile Ser Arg Ile Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln Phe Phe
502 65                  70                  75                  80
505 Leu Gln Leu Asp Ser Val Thr Ala Glu Asp Thr Ala Thr Tyr Tyr Cys
506             85                  90                  95
509 Val Arg Tyr His Tyr Tyr Gly Ser Ala Tyr Trp Gly Gln Gly Thr Leu
510             100                 105                 110
513 Val Thr Val Ser Ala
514         115
517 <210> SEQ ID NO: 12
519 <211> LENGTH: 117
521 <212> TYPE: PRT
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533 Ser Leu Ser Leu Thr Cys Thr Val Thr Gly Asn Ser Ile Thr Ser Asp
534             20                  25                  30
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 09/12/2002
PATENT APPLICATION: US/09/940,727B   TIME: 15:29:17

Input Set : A:\51400B.ST25.txt
Output Set: N:\CRF4\09122002\I940727B.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:74; Xaa Pos. 1
Seq#:77; Xaa Pos. 5,8,9,16
Seq#:78; Xaa Pos. 7
Seq#:79; Xaa Pos. 4,9
Seq#:80; Xaa Pos. 6
Seq#:81; Xaa Pos. 2,4,5
Seq#:82; Xaa Pos. 6
Seq#:83; Xaa Pos. 4,5,6,7,15
Seq#:84; Xaa Pos. 1,6,7,8
Seq#:87; N Pos. 16,19,25,356
Seq#:91; N Pos. 16,25,356
Seq#:109; N Pos. 21,28,31,37,40,49,56
Seq#:111; N Pos. 1,13,402,404
Seq#:113; N Pos. 381
Seq#:115; N Pos. 3,11,27,43
Seq#:117; N Pos. 37,40,414